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UNITED STATES PLANT PATENT APPLICATION

of

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for

CLEMATIS PLANT NAMED

'EVipo009'



CLEMATIS PLANT NAMED
'EVipo009'

ABSTRACT OF THE DISCLOSURE

A new Clematis cultivar which is well suited to propagation in glasshouses. With a tall growth habit, profuse, white flowers, and continuous summer flowering.

The variety successfully propagates from softwood cuttings and is suitable for cultivation in commercial glasshouses. This new and distinct variety has shown to be uniform and stable in the resulting generations from ASEXUAL propagation.

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SUMMARY OF THE INVENTION

BOTANICAL CLASSIFICATION

Clematis l.

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Genus - *Clematis*

~~Subgenus flammula~~

SPECIES

~~Section~~ - *viticella*

VARIETY DENOMINATION

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'EVIpo009'

COMMERCIAL CLASSIFICATION

Early, large-flowering cultivar

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The present invention constitutes a new and distinct variety of *Clematis* which originated from a chance pollination between the female seed parent an unnamed, non-patented plant and an unknown male pollen parent plant.

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EVIPO009 MAY BE DISTINGUISHED FROM ITS FEMALE SEED PARENT
PRIMARILY BY FLOWER COLOR.

The objective of the selection of this *Clematis* variety for commercial glasshouse and nursery culture was to create a new and distinct variety with unique qualities that this variety has:

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1. Large white flowers;

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2. Compact growth;
3. Red / Brown flower center.

These qualities required improvement in Clematis
5 varieties that were in commercial cultivation and
the objectives have been substantially achieved in
the new variety, as evidenced by the unique
combination of characteristics that are present in
'EVipo009' which distinguish it from all other
10 varieties of which we are aware.

The seeds from the aforementioned chance
pollination were germinated and evaluations of the
resulting seedling plants were conducted in a
15 controlled environment. As a result, 'EVipo009'
was selected by Raymond J. Evison and Mogens N.
Olesen in their Clematis development program in
Domarie Vineries Les Sauvagees, St. Sampsons,
Guernsey, Channel Islands, United Kingdom in April
20 1997.

Asexual reproduction of 'EVipo009' by cuttings was
first done by Raymond J. Evison and Mogens N.
Olesen in Domarie Vineries Les Sauvagees, St.
25 Sampsons, Guernsey, Channel Islands, United

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Kingdom in June 1997. This initial and subsequent propagations have demonstrated that the characteristics of 'EVIpo009' are true to type and are transmitted from one generation to the next.

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BRIEF DESCRIPTION OF THE DRAWING

The accompanying color illustration show as true as is reasonably possible to obtain in color photographs of this type:

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Fig. 1.1 Stem with new growth and mature leaves, showing the attachment of petioles;

Fig. 1.2 Mature compound leaf;

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Fig. 1.3 Flower buds closed;

Fig. 1.4 Open Flower, lower part, and tepals, detached;

Fig. 1.5 Open flower viewed from the side and above.

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DETAILED DESCRIPTION OF THE VARIETY

The following is a detailed description of 'EVIpo009', as observed in its growth throughout

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the flowering period in glasshouses at Domarie
Vineries Les Sauvagees, St. Sampsons, Guernsey,
Channel Islands, United Kingdom. Observed plants
were cultivated for a period of 24 months in 2
5 liter containers. Certain phenotypical
characteristics of the variety may vary under
different environmental, cultural, agronomic,
seasonal, and climatic conditions. Color
references are made using the Royal Horticultural
10 Society (London, England) Colour Chart, 1995.

For a comparison, the nearest existing
Clematis variety is 'EVIrin', a patented variety
described and illustrated in U.S. Plant Patent No.
12,838 issued on 13 August, 2002. Chart 1 details
15 several physical characteristics of 'EVIpo009'
~~the applicant~~
and the comparison variety.

Chart 1

	'EVIpo009'	'EVIrin'
20 Flower main color	White Group N155A.	Violet Group 84D.
Undulation of tepal margin	Slight	Medium-strong
Anther color	Red-Purple Group 59B	Dark red

FLOWER AND FLOWER BUD

Blooming habit: Continuous. Flowering from May through September.

5 Flower bud:

Size: 40 to 50 mm in length. Bud diameter is 12 to 15 mm.

Bud form: Long ovoid.

Bud color: Yellow-Green Group 144A at 1/4 opening.

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Peduncle:

Surface: Smooth.

Length: 90 to 120 mm average length.

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Color: Yellow-Green Group 144B.

Strength: Erect.

Receptacle:

NONE.

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Borne: Normally singularly, some later season will be Borne on Compound Cymes.

Flower bloom:

Size: 140 to 180 mm in diameter.

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Form: Upon opening, flat, with ~~sepals~~
TEPALS

held straight.

Depth: Little depth 5 to 10 mm

but anthers and stigma protrude

giving the flower a total depth

of 15 to 20 mm.

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TEPAL Color:

Upon opening, White Group 155A. ON BOTH UPPER AND LOWER SURFACES.

After opening, White Group 155A. ON BOTH UPPER AND LOWER SURFACES.

Variations: When young, the longitudinal undersurface region of the ~~sepal reverse~~ TEPAL may show a slight Yellow-Green

Group 144A coloration.

Occasionally flowers may show a slight pink coloration of

Purple Group 65A.

Fragrance: None to very light.

Lasting quality on plant: 7 to 12 days.

Lasting quality as a cut flower: 2 to 5 days.

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Tepals:

Quantity: Single.

Shape: Elliptical. TEPAL BASE SHAPE IS ROUNDED.

Cross section:

Normally straight, occasionally slightly cupped.

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MOVE
SECTION
UNDERNEATH
"TEPALS"

MOVE
SECTION TO
BELOW

Undulation of margin:

Entire with slight undulations.

Tepal apex: Cuspidate.

Recurvature of tip:

5 None.

Persistence: Drop off cleanly.

Arrangement: Tepals are arranged regularly.

Reproductive Organs:

Pollen:

10 Quantity: Average.

Color: Yellow-White Group 158C.

Anthers:

Size: Large.

Color: Red-Purple Group 59B.

15 Arrangement: Regular.

Filaments:

Color: White Group N155A.

Stigmas: Protrude from anthers as
flower ages.

20 Styles: Color: White Group 155A.

PISTILS: QUANTITY: 40 to 60.

PLANT

Plant form: Climbing and spreading depending on
25 host.

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Plant growth: Moderately vigorous.

Height: Seasons growth attains 2.0 to 2.5

meters.

JSPREAD: SEASONS GROWTH IS NORMALLY 1.5 TO 2 METERS.

Hardiness: Trials to date show the variety

5 hardy in USDA Zones 4-9.

Stems:

Color: Young wood: Red-Purple Group 61A.

Older wood: Greyed-Orange Group

165C.

10 Internodes:

Shape: Cylindrical.

Length: 80 to 120 mm.

Bark:

Young wood: Smooth.

15 Older wood: Smooth.

Plant foliage: Deciduous. Trifoliate with
three broad elliptical to ovate
leaflets.

20 TERMINAL LEAFLET
Leaf size: 40 to 50 mm WIDE (1) x 70 to 90 mm
(w) IN LENGTH.

Abundance: Above average.

Color: ~~Top: Green Group 137B.~~

~~Bottom: Green Group 137B.~~

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New growth: ~~[RHS No.]~~
UPPER AND LOWER SURFACES
ARE GREEN GROUP 137 B.

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Older growth: ~~[RHS No.]~~ UPPER SURFACE IS
GREEN GROUP 137 A. LOWER SURFACE IS GREEN
GROUP 137 B.

Plant leaves and leaflets:

Stipules:

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Absent.

Petioles:

~~Incidence:~~

Size: Average length: 60 to 80 mm.

Color: Green Group 143A maturing to

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Red-Purple Group 61A.

Petioloule:

Length: 10 to 30 mm.

Color: Green Group 143A maturing to
Red-Purple Group 61A.

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Leaf Edge: Terminal leaflet margin is
entire with mild undulations.

Leaflet Shape:

Base: Acute to rounded.

Apex: Acute.

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Texture: Medium texture.

Surface:

Upper side: Rough.

Lower side: Rough.

Glossiness: Matte Finish.

Disease resistance:

Subject to any disease that normally attacks the
species. ~~however the variety is more tolerant to~~
~~[anything?]} than some Clematis.~~

CLAIM

We claim a new and distinct variety of clematis plant,

5 substantially as herein shown and ^{DESCRIBED} ~~as a distinct~~

~~and novel clematis variety~~ due to its abundant white flowers

with good keepability, attractive long lasting foliage and

compact growth, year round flowering under glasshouse

conditions, suitability for production from softwood

10 cuttings in pots, durable flowers and foliage which make the

variety suitable for distribution in the floral industry.